

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	(tun\$3 with channel) same (polyphase near mix\$3) same filter same equalizer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/02 19:22
S2	2	channel same (polyphase near mix\$3) same filter same equalizer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/02 19:23
S3	2	channel and ((polyphase near mix\$3) same filter same equalizer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/02 19:23
S4	3	((polyphase near mix\$3) same filter same equalizer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/02 19:24
S5	788	((mix\$3) same filter same equalizer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/02 19:24
S6	97	(mix\$3 same filter same equalizer) and (tun\$3 with channel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/02 19:26
S7	76	(mix\$3 same filter same equalizer) and (tun\$3 with channel) and (@pd<"20020704" or @ad<"20020704" or @prad<"20020704" or @rlad<"20020704")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/02 19:27
S8	12	(mix\$3 same filter same equalizer) same (tun\$3 with channel) and (@pd<"20020704" or @ad<"20020704" or @prad<"20020704" or @rlad<"20020704")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/02 19:35

## EAST Search History

S9	1	((phase near mix\$3) same filter same equalizer) and (tun\$3 with channel) and (@pd<"20020704" or @ad<"20020704" or @prad<"20020704" or @rlad<"20020704")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/02 19:36
S10	7	((phase near mix\$3) same filter same equalizer) and ( channel) and (@pd<"20020704" or @ad<"20020704" or @prad<"20020704" or @rlad<"20020704")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/02 19:42
S11	1347	((phase) with delay with equaliz\$3) and (@pd<"20020704" or @ad<"20020704" or @prad<"20020704" or @rlad<"20020704")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/02 19:44
S12	0	(poly with (phase) with delay with equaliz\$3) and (@pd<"20020704" or @ad<"20020704" or @prad<"20020704" or @rlad<"20020704")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/02 19:44
S13	5	S6 and S11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/02 19:44
S14	251	group near delay near equaliz\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/03 13:44
S15	216	group near delay near equaliz\$3 and (@pd<"20020704" or @ad<"20020704" or @prad<"20020704" or @rlad<"20020704")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/03 14:57
S16	1	((group near delay near equaliz\$3) with (transfer near function) with (pole near zero)) and (@pd<"20020704" or @ad<"20020704" or @prad<"20020704" or @rlad<"20020704")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/03 11:00

## EAST Search History

S17	1	(group near delay near equaliz\$3) same ((transfer near function) with (pole near zero)) and (@pd<"20020704" or @ad<"20020704" or @prad<"20020704" or @rlad<"20020704")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/03 11:01
S18	6	(group near delay near equaliz\$3) with ((transfer near function)) and (@pd<"20020704" or @ad<"20020704" or @prad<"20020704" or @rlad<"20020704")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/03 11:04
S19	7	(group near delay near equaliz\$3) same ((transfer near function)) and (@pd<"20020704" or @ad<"20020704" or @prad<"20020704" or @rlad<"20020704")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/03 11:06
S20	11	(group near delay near equaliz\$3) same ((transfer near function) or (pole near zero)) and (@pd<"20020704" or @ad<"20020704" or @prad<"20020704" or @rlad<"20020704")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/03 11:09
S21	63	(group near delay near equaliz\$3) and ((transfer near function) or (pole near zero)) and (@pd<"20020704" or @ad<"20020704" or @prad<"20020704" or @rlad<"20020704")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/03 11:42
S22	0	(bpf same (mix\$3) same sunthesiz\$3) and (equaliz\$3 and (anti near aliasing near filter)) and (@pd<"20020704" or @ad<"20020704" or @prad<"20020704" or @rlad<"20020704")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/03 11:47
S23	0	(bpf same (mix\$3) same synthesiz\$3) and (equaliz\$3 and (anti near aliasing near filter)) and (@pd<"20020704" or @ad<"20020704" or @prad<"20020704" or @rlad<"20020704")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/03 11:48

## EAST Search History

S24	3	(bpf same (mix\$3) and synthesiz\$3) and (equaliz\$3 and (anti near aliasing near filter)) and (@pd<"20020704" or @ad<"20020704" or @prad<"20020704" or @rlad<"20020704")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/03 11:49
S25	278	(bpf same (mix\$3) same synthesiz\$3) and (@pd<"20020704" or @ad<"20020704" or @prad<"20020704" or @rlad<"20020704")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/03 11:50
S26	36	(bpf same (mix\$3) same synthesiz\$3) and (equalizer) and (@pd<"20020704" or @ad<"20020704" or @prad<"20020704" or @rlad<"20020704")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/03 11:53
S27	35	(bpf same (mix\$3) same synthesiz\$3) and (equalizer) and channel and (@pd<"20020704" or @ad<"20020704" or @prad<"20020704" or @rlad<"20020704")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/03 12:46
S28	0	(bpf same (mix\$3) same synthesiz\$3) and (equalizer) and (channel near select\$3 tuning) and (@pd<"20020704" or @ad<"20020704" or @prad<"20020704" or @rlad<"20020704")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/03 11:54
S29	1	(bpf same (mix\$3) same synthesiz\$3) and (equalizer) and (channel near (select\$3 or tuning)) and (@pd<"20020704" or @ad<"20020704" or @prad<"20020704" or @rlad<"20020704")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/03 11:54
S30	57867	channel near (select\$3 or tun\$3) and (@pd<"20020704" or @ad<"20020704" or @prad<"20020704" or @rlad<"20020704")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/03 12:48
S31	31	S30 and S14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/03 12:50

## EAST Search History

S32	20	S31 and (synthesiz\$3 same mix\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/03 12:50
S33	15625	(plural\$3 or multiple) near channel with (select\$3 or tun\$3 or receiving)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/03 13:45
S34	15625	((plural\$3 or multiple) near channel) with (select\$3 or tun\$3 or receiving)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/03 13:46
S35	12324	((plural\$3 or multiple) near channel) with (select\$3 or tun\$3 or receiving) and (@pd<"20020704" or @ad<"20020704" or @prad<"20020704" or @rlad<"20020704")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/03 13:46
S36	7	((plural\$3 or multiple) near channel) with (select\$3 or tun\$3 or receiving) and (@pd<"20020704" or @ad<"20020704" or @prad<"20020704" or @rlad<"20020704") and S14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/03 13:51
S37	9	((plural\$3 or multiple) near channel) with (select\$3 or tun\$3 or receiving) and (@pd<"20020704" or @ad<"20020704" or @prad<"20020704" or @rlad<"20020704") and (bpf same mixer same synthesizer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/03 13:57
S38	0	((plural\$3 or multiple) near channel) with (select\$3 or tun\$3 or receiving) and (@pd<"20020704" or @ad<"20020704" or @prad<"20020704" or @rlad<"20020704") and (bpf same mixer same equalizer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/03 13:58

## EAST Search History

S39	45	((plural\$3 or multiple) near channel) with (select\$3 or tun\$3 or receiving) and (@pd<"20020704" or @ad<"20020704" or @prad<"20020704" or @rlad<"20020704") and (bpf same mixer) and equalizer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/03 14:03
S40	0	((plural\$3 or multiple) near channel) with (select\$3 or tun\$3 or receiving) and (@pd<"20020704" or @ad<"20020704" or @prad<"20020704" or @rlad<"20020704") and (bpf same mixer same (pll or synthesizer)) and equalizer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/03 13:59
S41	16	((plural\$3 or multiple) near channel) with (select\$3 or tun\$3 or receiving) and (@pd<"20020704" or @ad<"20020704" or @prad<"20020704" or @rlad<"20020704") and (bpf same mixer same (pll or synthesizer))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/03 14:03
S42	0	(group near delay near equaliz\$3) same ((op near amp) or (operation\$3 near amplifier)) same (conductance same capacit\$4) and (@pd<"20020704" or @ad<"20020704" or @prad<"20020704" or @rlad<"20020704")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/03 14:59
S43	0	(group near delay near equaliz\$3) and ((op near amp) or (operation\$3 near amplifier)) same (conductance same capacit\$4) and (@pd<"20020704" or @ad<"20020704" or @prad<"20020704" or @rlad<"20020704")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/03 15:00
S44	0	(group near delay near equaliz\$3) and ((op near amp) or (operation\$3 near amplifier)) and (conductance same capacit\$4) and (@pd<"20020704" or @ad<"20020704" or @prad<"20020704" or @rlad<"20020704")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/03 15:00

## EAST Search History

S45	1	(group near delay near equaliz\$3) and ((op near amp) or (operation\$3 near amplifier)) and (conductance and capacit\$4) and (@pd<"20020704" or @ad<"20020704" or @prad<"20020704" or @rlad<"20020704")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/03 15:01
S46	6	(group near delay near equaliz\$3) and ((op near amp) or (operation\$3 near amplifier)) and (conductance or G) and (capacit\$4 or C) and (@pd<"20020704" or @ad<"20020704" or @prad<"20020704" or @rlad<"20020704")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/03 15:02
S48	13	"6236847"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/02 19:41
S49	2	"6985710"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/02 19:41
S50	150	(tuning or tuner ot tun\$3) with ((plural\$3 or differen\$3) near (channel or signal)) with (specific or particul\$3 or (one of))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/02 20:00
S51	6	stikvoort and sinderen	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/02 19:52
S52	315	stikvoort	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/02 19:52

## EAST Search History

S53	1	((tuning or tuner ot tun\$3) with ((plural\$3 or differen\$3) near (channel or signal)) with (specific or particul\$3 or (one of))) and (mixer and (delay near equaliz\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/02 19:59
S54	2	((tuning or tuner ot tun\$3) with ((plural\$3 or differen\$3) near (channel or signal)) with (specific or particul\$3 or (one of))) and ((delay near equaliz\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/02 19:58
S55	2	((tuning or tuner ot tun\$3) with ((plural\$3 or differen\$3) near (channel or signal)) with (specific or particul\$3 or (one of))) and ((delay near equaliz\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/02 19:59
S56	1	((tuning or tuner ot tun\$3) with ((plural\$3 or differen\$3) near (channel or signal)) with (specific or particul\$3 or (one of))) and (mixer near (phase or polyphase))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/02 20:00
S57	127	(tuning or tuner ot tun\$3) with ((plural\$3 or differen\$3) near (channel or signal)) with (specific or particul\$3 or (one of)) and (@pd<"20020704" or @ad<"20020704" or @prad<"20020704" or @rlad<"20020704")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/02 20:00
S58	2	((frequency near synthesiz\$4) with (mixer or mixing or mix\$3)) same (equaliz\$3)) and ((pole with zero) or (transfer near function))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/03 17:41
S59	46	((frequency near synthesiz\$4) with (mixer or mixing or mix\$3)) same (equaliz\$3)) and (@pd<"20020704" or @ad<"20020704" or @prad<"20020704" or @rlad<"20020704")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/03 17:45



## EAST Search History

S60	0	((frequency near synthesiz\$4) with (mixer or mixing or mix\$3)) same (equaliz\$3)) and (@pd<"20020704" or @ad<"20020704" or @prad<"20020704" or @rlad<"20020704") and (((plural\$3 or multiple) near channel) with (select\$3 or tun\$3 or receiving))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/03 17:43
S61	1	((frequency near synthesiz\$4) with (mixer or mixing or mix\$3)) same (equaliz\$3)) and (@pd<"20020704" or @ad<"20020704" or @prad<"20020704" or @rlad<"20020704") and (((plural\$3 or multiple) near channel) same (select\$3 or tun\$3 or receiving))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/03 17:43
S62	0	tun\$3 same (if with mix\$3) same (lpf or (low near if near filter)) same (delay near equaliz\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/07 15:32
S63	0	tun\$3 and (if with mix\$3) same (lpf or (low near if near filter)) same (delay near equaliz\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/07 15:32
S64	0	tun\$3 and ((if with mix\$3) same (lpf or (low near if near filter)) same (delay near equaliz\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/07 15:32
S65	0	((if with mix\$3) same (lpf or (low near if near filter)) same (delay near equaliz\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/07 15:33
S66	0	((if with mix\$3) same (lpf or (low near filter)) same (delay near equaliz\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/07 15:33

## EAST Search History

S67	0	((if with mix\$3) same (lpf or (low near filter))) and (delay near equaliz\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/07 15:33
S68	25	((mix\$3) same (lpf or (low near filter))) and (delay near equaliz\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/07 15:46
S69	751	((filter or bpf) same (synthesi\$4 same mix\$3)) and equaliz\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/07 15:55
S70	647	((filter or bpf) same (synthesi\$4 same mix\$3)) and equaliz\$3 and (@pd<"20020704" or @ad<"20020704" or @prad<"20020704" or @rlad<"20020704")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/07 15:56
S71	96	((filter or bpf) same (synthesi\$4 same mix\$3)) same equaliz\$3) and (@pd<"20020704" or @ad<"20020704" or @prad<"20020704" or @rlad<"20020704")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/07 15:57
S72	65	((filter or bpf) same (synthesi\$4 with mix\$3)) same equaliz\$3) and (@pd<"20020704" or @ad<"20020704" or @prad<"20020704" or @rlad<"20020704")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/07 15:57
S73	0	((filter or bpf) same (synthesi\$4 with2 mix\$3)) same equaliz\$3) and (@pd<"20020704" or @ad<"20020704" or @prad<"20020704" or @rlad<"20020704")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/07 15:57
S74	65	((filter or bpf) same (synthesi\$4 with mix\$3)) same equaliz\$3) and (@pd<"20020704" or @ad<"20020704" or @prad<"20020704" or @rlad<"20020704")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/07 16:23

## EAST Search History

S75	69	polyphase near mixer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/07 16:23
S76	3	(polyphase near mixer) and (group delay near equaliz\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/07 17:19
S77	120	(cable near tv) and ((bpf or (band pass)) same (synthesiz\$3 or (balanc\$3 near local near oscillat\$3)) same (mixer or mix43))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/07 17:23
S78	0	(cable near tv) and ((bpf or (band pass)) same (synthesiz\$3 or (balanc\$3 near local near oscillat\$3)) same (mixer or mix43) same (equaliz\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/07 17:22
S79	0	(cable near tv) and ((bpf or (band pass)) same (synthesiz\$3 or (balanc\$3 near local near oscillat\$3)) same (mixer or mix\$3) same (equaliz\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/07 17:23
S80	101	(cable near tv) and ((bpf or (band pass)) same (synthesiz\$3 or (balanc\$3 near local near oscillat\$3)) same (mixer or mix\$3)) and (equaliz\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/07 17:24
S81	100	(cable near tv) and ((bpf or (band pass)) same (synthesiz\$3 or (balanc\$3 near local near oscillat\$3)) same (mixer or mix\$3)) and (equaliz\$3) and (@pd<"20020704" or @ad<"20020704" or @prad<"20020704" or @riad<"20020704")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/07 17:24
S82	2499	mix\$3 with frequenc\$4 with bandwidth	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/07 17:54

## EAST Search History

S83	1221	tun\$3 and (mix\$3 with frequenc\$4 with bandwidth)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/07 17:55
S84	79	tun\$3 and (mix\$3 with frequenc\$4 with bandwidth) and (equalizer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/07 17:56
S85	67	tun\$3 and (mix\$3 with frequenc\$4 with bandwidth) and (equalizer) and (@pd<"20020704" or @ad<"20020704" or @prad<"20020704" or @rlad<"20020704")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/07 17:57
S86	16	tun\$3 and (mix\$3 with frequenc\$4 with low\$2 with bandwidth) and (equalizer) and (@pd<"20020704" or @ad<"20020704" or @prad<"20020704" or @rlad<"20020704")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/07 17:57
S87	16	tun\$3 and (mix\$3 with frequenc\$4 with (small\$2 or less\$2 or low\$2) with bandwidth) and (equalizer) and (@pd<"20020704" or @ad<"20020704" or @prad<"20020704" or @rlad<"20020704")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/08 08:49
S88	0	((intermediat\$3 near frequenc\$4) with (small\$2 or less\$2 or low\$2) with (channel near bandwidth)) and ((tuner or tuning or Tun\$3) same ((cable near tv) or catv)) and (@pd<"20020704" or @ad<"20020704" or @prad<"20020704" or @rlad<"20020704")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/08 08:52
S89	0	((intermediat\$3 near frequenc\$4) with (small\$2 or less\$2 or low\$2) with (channel near bandwidth)) and ((tuner or tuning or Tun\$3) and ((cable near tv) or catv)) and (@pd<"20020704" or @ad<"20020704" or @prad<"20020704" or @rlad<"20020704")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/08 08:53

## EAST Search History

S90	1	((intermediat\$3 near frequenc\$4) with (small\$2 or less\$2 or low\$2) with (channel near bandwidth)) and ((cable near tv) or catv) and (@pd<"20020704" or @ad<"20020704" or @prad<"20020704" or @rlad<"20020704"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/08 08:56
S91	6	((intermediat\$3 near frequenc\$4) with (small\$2 or less\$2 or low\$2) with (channel near bandwidth)) and (tv or catv) and (@pd<"20020704" or @ad<"20020704" or @prad<"20020704" or @rlad<"20020704"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/08 08:59
S92	0	((intermediat\$3 or (local oscillat\$3)) near frequenc\$4) with (small\$2 or less\$2 or low\$2) (than or then) with (channel near bandwidth)) and (@pd<"20020704" or @ad<"20020704" or @prad<"20020704" or @rlad<"20020704"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/08 09:01
S93	0	((intermediat\$3 or (local oscillat\$3)) near frequenc\$4) with (small\$2 or less\$2 or low\$2) with (than or then) with (channel near bandwidth)) and (@pd<"20020704" or @ad<"20020704" or @prad<"20020704" or @rlad<"20020704"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/08 09:02
S94	0	((intermediat\$3 or (local near oscillat\$3)) near frequenc\$4) with (small\$2 or less\$2 or low\$2) with (than or then) with (channel near bandwidth)) and (@pd<"20020704" or @ad<"20020704" or @prad<"20020704" or @rlad<"20020704"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/08 09:03

## EAST Search History

S95	0	(((intermediat\$3 or (local near oscillat\$3)) near frequenc\$4) with (small\$2 or less\$2 or low\$2) with (than or then) with (channel with bandwidth)) and (@pd<"20020704" or @ad<"20020704" or @prad<"20020704" or @rlad<"20020704"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/08 09:04
S96	0	(((intermediat\$3 or (local near oscillat\$3)) near frequenc\$4) with (small\$2 or less\$2 or low\$2) with (than or then) with (bandwidth)) and (@pd<"20020704" or @ad<"20020704" or @prad<"20020704" or @rlad<"20020704"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/08 09:04